What Is Claimed Is:

1.   An image module with a function of an automatic focus adjustment, the module comprising:

a sensor for sensing a picture image data;

5   a substrate including the sensor

a sensor cover for covering the sensor and the substrate from an outside;

a sensor filter for blocking an outer environment and passing a light between the sensor cover and the sensor

10   only;

a lens blade having a lens to transmit the light at a center and a driving coil on a surface thereof;

an elastic means for supplying a current to the driving coil of the lens blade and supporting the lens

15   blade; and

a magnet for forming a magnetic field to enable the lens blade to shift up and down due to an electromagnetic force.

20   2.   The image module of claim 1, wherein the filter is made of glass.

3.   The image module of claim 1, further comprising a holder on an outside of the sensor cover in order to

25   support the elastic means.

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4. The image module of claim 1, further comprising a yoke in order to increase an efficiency of the magnet.

5   5. An image module having a function of an automatic focus adjustment, the module comprising:

an image packaging unit, which comprises a sensor for sensing a picture image, a substrate including the sensor, a sensor cover for covering the sensor and the substrate at

10   the outside and a sensor filter for blocking an outer environment and passing light between the sensor cover and the sensor only; and

a lens blade unit, which comprises a lens blade having a lens to transmit the light at a center and a

15   driving coil on a surface thereof, an elastic means for supplying a current to the driving coil of the lens blade and supporting the lens blade, and a magnet for forming a magnetic field to enable the lens blade to shift up and down due to an electromagnetic force.

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6. The image module of claim 5, wherein the filter is made of glass.

7. The image module of claim 5, further comprising a

25   holder on an outside of the sensor cover in order to

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support the elastic means.

8.   The image module of claim 5, further comprising a yoke in order to increase an efficiency of the magnet.

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